CLAIM LISTING

Applicants request that, pursuant to this amendment, the following listing of claims replace all prior versions and listings of claims in the instant application.

Listing of Claims:

1.   (Previously Presented)   A method for computing within a grid environment comprising the steps of:

determining a statistically relevant number of ghost agents in said grid environment;

modeling delays associated with the statistically relevant number of ghost agents executing ghost software objects that consume limited computing resources in the grid environment;

identifying a host software object operating in one grid of said grid environment;

creating a ghost software object within the one grid;

associating said ghost software object with said host software object, wherein said ghost software object is configured to replicate and record at least one action of said host software object;

identifying passive and active interactions between said ghost software object and said host software object that consume the limited computing resources and induce the delays;

triggering either a transfer of the ghost software object or a cloning of the ghost software object in view of the passive and active interactions,

moving said host software object from the one grid to another grid within said grid environment; and,

in response to said moving of said host software object, moving said associated ghost software object from said one grid to said another grid.

2.   (Previously Presented)   The method of claim 1, further comprising changing execution details of an instruction set described within individual ghost actions performed by the ghost software object, wherein said host software object comprises a user object.

3.   (Previously Presented) The method of claim 2, wherein said user object represents a player of a distributed multi-player gaming system, wherein said ghost software object is configured to record actions taken by a user represented by said user object within said distributed multi-player gaming system.

4.   (Previously Presented) The method of claim 1, wherein said ghost software object is passive, said method further comprising the step of:

preventing said at least one replicated action by said ghost software object from operationally executing in said grid environment.

5.   (Previously Presented) The method of claim 1, further comprising the steps of:

determining a location for logging data that is external to said ghost software object; and,

conveying said at least one replicated and recorded action to said determined location.

6.   (Previously Presented) The method of claim 1, further comprising the steps of:

authenticating said ghost software object within said another grid; and,

enabling said ghost software object to automatically enter said

another grid based upon said authenticating step.

7.   (Previously Presented) The method of claim 1, further comprising the steps of:

generating a new action within said host software object; and,

replicating said new action within said ghost software object.

8.   (Previously Presented) The method of claim 1, further comprising the steps of:

selecting a plurality of host software objects;

for each one of the selected plurality of host software objects, repeating said identifying step, said creating step, said associating step and said moving step; and,

modeling behavior of at least a part of said grid environment using data obtained from a plurality of ghost software objects associated with said selected plurality of host software objects.

9.   (Previously Presented) The method of claim 1, further comprising the steps of:

disassociating said ghost software object from said host software object; and,

associating said disassociated software object with a different host software object.

10.   (Previously Presented) The method of claim 1, further comprising the steps of:

cloning said associated ghost software object to create another ghost software object, wherein said another ghost software object is a copy of said associated ghost software object; and,

associating said another ghost software object with a different host software object.

11. – 29. (Cancelled)